

## REMARKS

Claims 1-14 are pending in the present application. Favorable reconsideration of the pending claims is respectfully requested.

1. Rejections Under 35 U.S.C. § 102(e)

Claims 1-14 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Publication No. US 2003/0062629 A1 to Moden (hereinafter "*Moden*") (Application No. 10/302,594) for the reasons set forth on pages 2-3 of the Office Action. Applicants respectfully traverse.

The present application is a divisional of U.S. Patent Application No. 09/060,740, filed April 15, 1998. See Specification at the paragraph beginning at page 2, line 2. The present application therefore has a priority date at least as early as April 15, 1998. *Moden* was published on April 3, 2003 and therefore qualifies as prior art to the present application, if at all, only under 35 U.S.C. § 102(e).

Pursuant to 35 U.S.C. § 103(c), *Moden* does not qualify as a reference to the present application for the following reason:

The present application, U.S. Patent Application No. 10/056,350, and Application No. 10/302,594 (the basis for U.S. Publication No. US 2003/0062629 A1) were, at the time the invention of U.S. Patent Application No. 10/056,350 was made, owned by Micron Technologies, Inc.

Copies of the assignments of U.S. Patent Application No. 09/060,740, to which the present application claims priority, and U.S. Patent Application No. 08/574,662, to which *Moden* claims priority as a Continuation application, are attached to this response as Exhibits A and B, respectively.

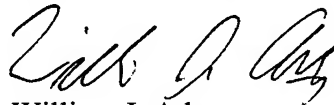
Accordingly, pursuant to 35 U.S.C. § 103(c), Applicants respectfully request the prompt removal of *Moden* as a reference. Applicants therefore respectfully request that the rejection of the present claims under 35 U.S.C. § 103(a) be withdrawn.

#### CONCLUSION

In view of the foregoing, Applicant respectfully requests favorable reconsideration and allowance of the pending claims. In the event the Examiner finds any impediment to the prompt allowance of this application that could be clarified by a telephone interview, the Examiner is respectfully requested to contact the undersigned attorney.

Dated this 30th day of January 2004.

Respectfully submitted,



William J. Athay  
Attorney for Applicant  
Registration No. 44,515  
Customer No. 022901

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**EXHIBIT A**



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231

SEPTEMBER 25, 1998

PTAS



\*100768459A\*

WORKMAN NYDEGGER & SEELEY  
BRADLEY K. DESANDRO  
1000 EAGLE GATE  
60 EAST SOUTH TEMPLE  
SALT LAKE CITY, UT 84111

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/15/1998

REEL/FRAME: 9311/0168  
NUMBER OF PAGES: 5

BRIEF: FREE FORM MESSAGE

ASSIGNOR:  
COBBLEY, CHAD

DOC DATE: 07/07/1998

ASSIGNEE:  
MICRON TECHNOLOGY, INC.  
8000 SOUTH FEDERAL WAY  
BOISE, IDAHO 83707

SERIAL NUMBER: 09060740  
PATENT NUMBER:

FILING DATE: 04/15/1998  
ISSUE DATE:

PEARLENE FOSTER, EXAMINER  
ASSIGNMENT DIVISION  
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ReSub.

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
Copyright 1994-97 LegalStar  
P08/REV02

07-20-1998



Patent No.: 11675.143

HEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks, the attached original documents or copy thereof.

100768459

1. Name of conveying party(ies):  
Chad Cobbley

MRO  
7-13-98

2. Name and address of receiving party(ies):

Name: MICRON TECHNOLOGY, INC.

Internal Address:

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

☐ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☒ Other Document ID No. 100691162

Street Address: 8000 South Federal Way

City: Boise State: ID ZIP: 83707

Execution Date:

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bradley K. DeSandro

Internal Address: WORKMAN, NYDEGGER & SEELEY

1000 Eagle Gate

Street Address: 60 East South Temple

City: Salt Lake City State: UT ZIP: 84111

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account.

☒ Authorized to be charged to deposit account

8. Deposit account number:

23-3178

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bradley K. DeSandro, Reg. No. 34,521

Name of Person Signing

Signature

July 7, 1998

Date

Total number of pages including cover sheet, attachments, and document: 6

YMD 1-15-98

cket No.: 11675.143

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
Copyright 1994-97 LegalStar  
P08/REV02

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☐ Security Agreement ☐ Change of Name  
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Execution Date: April 13, 1998

2. Name and address of receiving party(ies):

Name: MICRON TECHNOLOGY, INC.

Internal Address: \_\_\_\_\_

Street Address: 8000 South Federal Way

City: Boise State: ID ZIP: 83707

Additional name(s) & address(es) attached? ☐ Yes ☒ No



4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: April 13, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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Internal Address: WORKMAN NYDEGGER & SEELEY

1000 Eagle Gate

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_

04/20/1998 WILLARI 00000017 09060740

04 FEB 1999 Salt Lake City 40.00 UT ZIP: 84111

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Bradley K. DeSandro, Reg. No. 34,521

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

WHEN RECORDED RETURN TO:

PATENT APPLICATION

Docket No: 11675.143

Workman, Nydegger & Seeley  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

## ASSIGNMENT

I, Chad Cobbley of 608 Boise Hills Drive, Boise, Idaho 83702, have invented a method and apparatus entitled SUBSTRATE FOR ACCEPTING WIRE BONDED OR FLIP-CHIP COMPONENTS, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by me and now identified as File No. 11675.143 of the law firm of Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, and filed in the United States Patent and Trademark Office as Serial No. \_\_\_\_\_ on \_\_\_\_\_. (I hereby authorize the attorneys of Workman, Nydegger & Seeley to insert said serial number and filing date when known.) The Assignee, Micron Technology, Inc., a corporation of the State of Delaware, having a principal place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, desires to secure the entire right, title and interest in said invention.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to me by the Assignee, the receipt and sufficiency of which I hereby acknowledge, I HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and

continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and Foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

I hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behalf of the said Assignee, its successors, assigns and legal representatives.

I hereby agree, without further consideration and without expense to me, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of me to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of my ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon my heirs and legal representatives.



Dated this 13 day of April, 1998.

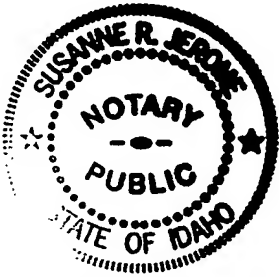
Chad Cobbley  
Chad Cobbley

STATE OF IDAHO )

: ss.

COUNTY OF ADA )

On April 13<sup>th</sup>, 1998, before me personally appeared Chad Cobbley, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.



Susanne R. Jerome  
NOTARY PUBLIC  
Residing at Midderton, ID

My Commission Expires:

3/12/2002

**EXHIBIT B**

# PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Unless filed with a new application, mail to: BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231.

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Walter L. Moden

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**2. Name and address of receiving party(ies):**

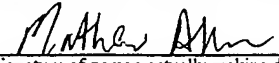
Name: MICRON TECHNOLOGY, INC.  
Address: 8000 South Federal Way  
Boise, ID 83707-0006

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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I hereby certify that this paper or fee along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service (under 37 C.F.R. § 1.10) (Express Mail Mailing Label Number: TB838132526US) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

December 19, 1995  
Date of Deposit

  
Signature of person actually making deposit pursuant to 37 C.F.R. § 1.10(b)

Mathew Allen  
Typed/printed name of person whose signature is contained above

**3. Nature of conveyance:**

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☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: December 19, 1995

**4. Application number(s) or patent number(s):**

If this document is being filed together with a new application, the execution date of the application is: December 19, 1995

A. U.S. Patent Application No.(s)

B. U.S. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address of party to whom correspondence concerning this document should be mailed:**

Name: James R. Duzan  
Trask, Britt & Rossa  
P.O. Box 2550  
Salt Lake City, UT 84110-2550

Attorney Docket No. 2687US

**6. Total number of U.S. applications and U.S. patents involved:**

7. Total fee (37 C.F.R. § 3.41) ..... \$ 40.00  
(\$40.00 times number in box 6)  
Check no. \_\_\_\_\_ is enclosed in this amount.

8. The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to deposit account number 20-1469.

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**9. Statement and signature.**

*To the best of my knowledge and belief, the foregoing information is true and correct.*

James R. Duzan  
Name of Person Signing  
Reg. No. 28,393

  
Signature

12-19-95  
Date

Total number of pages including cover sheet, attachments and document:

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to MICRON TECHNOLOGY, INC. ("ASSIGNEE"), a corporation of the State of Delaware having a place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent which has been executed by each undersigned ASSIGNOR concurrently herewith and is entitled **FLIP CHIP ADAPTOR PACKAGE FOR BARE DIE**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the ASSIGNEE all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and extend to the successors, assigns and nominees of the ASSIGNEE.

**ASSIGNORS:**

Walter L. Moden Date 12-19-98  
Walter L. Moden

STATE OF IDAHO )  
 ) : ss.  
County of Ada )

BEFORE ME, the undersigned authority, on this 15th day of December, 1995,  
personally appeared Walter L. Moden, known to me to be the person whose name is  
subscribed to the foregoing instrument and acknowledged to me that he executed the same of  
his of own free will for the purposes and consideration therein expressed.

M. H. G. L.  
Notary or Consular Officer